

UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Hans Beer et al
Application Number: Unassigned
Filing Date: Concurrently Herewith
Group Art Unit:
Examiner:
Title: DISHWASHER CONTROL FOR DEALING WITH LARGE
AMOUNTS OF FOOD RESIDUES BY VARIABLE WASH
PROGRAMS

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. 1.98, I am submitting a completed "INFORMATION DISCLOSURE STATEMENT BY APPLICANTS" (*Form PTO/SB/08A*) with patents and/or publications as delineated therein attached.

DE 196 51 347 discloses the method preselects a program by device of at least one, continuously adjustable parameter which is necessary for a wash process and is influenced through it. The program consists of partial program steps of Prewash, Cleaning, Intermediate Wash, Rinsing, and Drying. The parameter is adjusted for each partial program step according to a preselected wash intensity. The adjustable parameter is the duration of the individual partial program steps and the maximum temperature of the water.

EP 1 031 314 discloses the revolution speed of the pump is regulated during the filling of the appliance in accordance with the rising water volume.

DE 199 51 839 discloses the pump supplying the spray arms of the dishwasher alternates between 1600 and 2800 rpm for 4 and .5 seconds respectively (3a) and the voltage

output from a cleaning fluid opacity sensor (3b) is monitored and reduces the high speed time if the liquid level falls.

DE 199 07 158 discloses that the dishwasher has at least one circulation pump for delivering washing liquid to act upon the objects to be cleaned. The revolution rate of the circulation pump is continuously regulated and is set to different values in different dishwasher programme sections. The revolution rate can be set according to the items to be cleaned.

DE 31 13 443 discloses the washing or rinsing machine is equipped with a washing or rinsing tub, with a circulating device for the heated water and with a housing preferably having a high degree of sealing relative to the atmosphere. So that a sudden pressure rise does not occur inside the machine when the circulating device is switched on, the circulating device is operated discontinuously in the start-up range by means of a control device, the respective switch-on time of the circulating device being small in relation to the subsequent intermission time, at least in the first part of the start-up range. As a result, an interval-like swirling of the cold air cushion located above the hot water together with hot water takes place, so that, with a rising temperature of the air, a steam/air mixture is obtained. As a result of the interval-like switch-ons of the circulating device in the start-up range preceding continuous operation, a sudden pressure rise inside the machine is prevented.

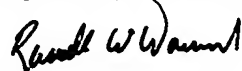
EP 1 362 547 discloses that switching on an additional function alters a washing parameter for a selected washing program in respect of the use of a 3-in-1 multi-purpose preparation. As the additional function is switched on, a first method alters a selected washing program in a processing stage as it is running. A second washing program selected by a user for operating a dishwasher uses 3-in-1 multi-purpose preparations. An Independent claim is also included for a method for operating a dishwasher.

DE 197 50 266 discloses the number of revolutions in a circulating pump are reduced irregularly for short periods (T) during the rinsing program cycle. Changes in revolutions are controlled by a program in the appliance through a pressure (D1,D2) sensor fitted in the rinsing water circuit. During the pump's cycle (D3) the pump's pressure is affected by how much foam there is or how dirty the rinsing liquid is made by the dishes.

DE 101 54 630 discloses the electric motor operated pump (17) has an electric motor (19) with controllable rotation direction and optionally operable between rest and a maximum revolution rate and with a relatively large air gap between the stator and the rotor for accommodating a pot-shaped bearer for a wet bearing for the pump wheel. The drive motor is a two-phase direct current motor with commutation sensors.

If no translation of pertinent portions of any foreign language patents or publications mentioned within the "INFORMATION DISCLOSURE STATEMENT BY APPLICANTS" is included with the aforementioned copies of those applications, patents and/or publications, it is because no existing translation is readily available to the Applicants. As per the Notice in 1273 OG 55 (August 5, 2003) no copies of any above-mentioned US patents and US patent application publications are submitted for this application which was filed after June 30, 2003.

Respectfully submitted



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June 20, 2006

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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	3
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Complete if Known

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U. S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	
		Country Code ³ *Number ⁴ *Kind Code ⁵ (if known)				
		GB 1 522 153	08/23/1978	Bosch-Siemens Hausgerate GmbH		✓
		EP 0 998 872	05/10/2000	Ugo Favret		✓
		DE 196 51 347	06/25/1998	Ernst Stickel et al		
		EP 1 031 314	08/30/2000	Ernst Stickel et al		
		DE 28 48 375	05/22/1980	Walter Heissmeier et al		
		EP 0 553 803	08/04/1993	Marcello Premoli		✓

Examiner Signature		Date Considered	
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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		Country Code ³ ~Number ⁴ ~Kind Code ⁵ (if known)				
		DE 199 51 839	05/03/2001	Werner Braun et al		
		GB 2 221 384	02/07/1990	Patrick R. Wyman		✓
		DE 199 07 158	08/24/2000	Ernst Stickel et al		
		EP 1 332 709	08/06/2003	Dae Y. Han et al		✓
		DE 31 13 443	10/21/1982	Hermann Ellermann et al		
		EP 1 362 547	11/19/2003	Winfried Steiner et al		

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Substitute for form 1449/PTO <div style="text-align: center; font-weight: bold; font-size: 1.2em;"> INFORMATION DISCLOSURE STATEMENT BY APPLICANT </div> <div style="text-align: center; font-style: italic; font-size: 0.8em;"> (Use as many sheets as necessary) </div>		<div style="text-align: center; font-weight: bold; font-size: 1.1em;"> Complete if Known </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td style="width: 50%;">Unassigned</td> </tr> <tr> <td>Filing Date</td> <td>Concureently Herewith</td> </tr> <tr> <td>First Named Inventor</td> <td>Hans Beer et al</td> </tr> <tr> <td>Art Unit</td> <td></td> </tr> <tr> <td>Examiner Name</td> <td></td> </tr> <tr> <td>Attorney Docket Number</td> <td>2003P01722WOUS</td> </tr> </table>		Application Number	Unassigned	Filing Date	Concureently Herewith	First Named Inventor	Hans Beer et al	Art Unit		Examiner Name		Attorney Docket Number	2003P01722WOUS
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		DE 197 50 266	05/20/1999	Walter Assmann et al		
		DE 101 54 630	05/15/2003	Werner Kaps et al		
		International Search Report PCT/EP2004/053345				✓

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